

glove means for detecting flexure of fingers of the user's
1, and position sensing means [couple] coupled to the glove
means for detecting a position of the hand with respect to the
display means; [and]
interface means for coupling the glove means to the
[display means to control] computer; and
control means for controlling a cursor indicated on
the display means in response to the flexure of fingers and the
position of the hand.

2. (Amended) Apparatus as in Claim 1 wherein the
position sensing means comprises transmitting means affixed to the
glove for transmitting signals to receiving means disposed about
the display means in close proximity thereto.

6. Apparatus as in Claim 5 wherein the plurality of
receivers is three and the three receivers are not linearly
arranged.

8. Apparatus as in Claim 1 wherein the display means
[is adapted to display] includes means for displaying a
representation of a hand which mirrors the position and flexure of
fingers of the user's hand.

Please add the following new claims:

--13. An apparatus for controlling a computer display
comprising:

flex sensing means, disposed in close proximity to a
part of the body of the user, for sensing flexure of the associated
part of the body of the user; and

cursor display means, coupled to the flex sensing
means and to the computer display, for displaying a cursor
depicting the flexure of the part of the body.

14. The apparatus according to claim 13 wherein the flex sensing means senses the degree of flexure of the part of the body.

15. The apparatus according to claim 14 wherein the cursor display means displays a cursor depicting the degree of flexure of the part of the body.

16. The apparatus according to claim 13 wherein the flex sensing means senses flexure of a user's hand.

17. The apparatus according to claim 16 wherein the flex sensing means senses flexure of a finger of the user's hand.

18. The apparatus according to claim 17 wherein the flex sensing means senses the degree of flexure of the user's hand.

19. The apparatus according to claim 18 wherein the cursor display means displays the degree of flexure of the user's hand.

20. The apparatus according to claim 19 wherein the flex sensing means is disposed in a glove that is worn on the user's hand.

21. The apparatus according to claim 20 wherein the cursor display means displays a representation of a hand which mirrors the flexure of fingers of the user's hand.

22. The apparatus according to claim 21 further comprising position sensing means for sensing the position of the user's hand with respect to the display.

23. The apparatus according to claim 22 wherein the cursor display means is coupled to the position sensing means and displays the position of the user's hand with respect to the display.

24. An apparatus for manipulating a virtual object represented on a computer display comprising:

position sensing means, disposed in close proximity to a part of a body of a user, for sensing the position of the associated part of the body of the user with respect to the display;

interface means for coupling the position sensing means to the computer and for controlling a cursor indicated on the display in response to the position sensing means; and

wherein the computer includes contact detecting means for detecting contact between the cursor and the virtual object.

25. The apparatus according to claim 24 wherein the virtual object may be manipulated by the cursor and wherein the interface means includes object manipulating means for manipulating the virtual object in response to the contact detecting means and in response to the position of the part of the user's body with respect to the display.

26. The apparatus according to claim 25 further comprising:

flex sensing means, disposed in close proximity to a part of the body of the user, for sensing flexure of the associated part of the user's body.

27. The apparatus according to claim 26 further comprising:

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31. The apparatus according to claim 30 wherein the contact detecting means detects when the virtual object is grasped by the virtual hand.

33. An apparatus for controlling a computer display comprising:

cursor display means, coupled to the orientation sensing means and to the computer display, for displaying a cursor depicting the orientation of the part of the user's body.

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~~34.~~ The apparatus according to claim ⁴⁶~~33~~ further comprising flex sensing means, disposed in close proximity to a part of the user's body, for sensing flexure of the part of the user's body.

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~~35.~~ The apparatus according to claim ⁴⁷~~34~~ wherein the cursor display means is coupled to the flex sensing means and displays a cursor depicting the flexure of the part of the user's body.

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~~36.~~ The apparatus according to claim ⁴⁸~~35~~ wherein the flex sensing means senses the degree of flexure of the part of the user's body.

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~~37.~~ The apparatus according to claim ⁴⁹~~36~~ wherein the cursor display means displays a cursor depicting the degree of flexure of the part of the user's body.

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~~38.~~ The apparatus according to claim ⁵⁰~~37~~ wherein the part of the user's body is the user's hand.

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~~39.~~ The apparatus according to claim ⁵¹~~38~~ wherein the flex sensing means senses flexure of a finger of the user's hand.

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~~40.~~ The apparatus according to claim ⁵²~~39~~ wherein the flex sensing means senses the degree of flexure of the user's hand.

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~~41.~~ The apparatus according to claim ⁵³~~40~~ wherein the cursor display means displays the degree of flexure of the user's hand.

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~~42.~~ The apparatus according to claim ⁵⁴~~42~~ wherein the flex sensing means and the orientation sensing means are disposed in a glove that is worn on the user's hand.

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~~43.~~ The apparatus according to claim ⁵⁵~~42~~ wherein the cursor display means displays a virtual hand which mirrors the orientation and flexure of fingers of the user's hand.

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~~44.~~ The apparatus according to claim ⁵⁶~~43~~ further comprising position sensing means for sensing the position of the user's hand with respect to the display.

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~~45.~~ The apparatus according to claim ⁵⁷~~44~~ wherein the cursor display means is coupled to the position sensing means and depicts the position of the user's hand with respect to the display.

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~~46.~~ The apparatus according to claim ⁵⁸~~45~~ wherein the computer display displays a virtual object which may be manipulated by the cursor, and wherein the cursor display means further comprises contact detecting means for detecting when the virtual object is grasped by the virtual hand.

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~~47.~~ The apparatus according to claim ⁵⁹~~46~~ wherein the cursor display means includes object manipulating means for manipulating the virtual object in response to the contact detecting means and in response to the position, flexure, and orientation of the user's hand.--

REMARKS

Claims 1-12 are pending.

Claims 13-47 have been added.